Appl. No. 09/989,426 Reply to Office Action of November 19, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

Jorned undicate 1. (Currently Amended) A metal cord for reinforcing inclares imprisons) article comprising:

a core formed of one filament; and

a sheath formed of 1 to 6 filaments arranged around the core,

wherein said filament of the core is formed of a waved filament waved in a two-dimensional wave shape having crest portions and trough portions in a repeated manner, in a state before being bundled, twisted with said sheath while applying the torsion so as to be formed in a three-dimensional wave shape within said metal cord. cord, and the filament of the core in the two-dimensional wave shape is a zigzag

shape.

2. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a diameter d of said core filament is between 0.15 and 0.50 mm and substantially the same as that non Julius Sinustidal of the filament of said sheath.

3. (Currently Amended) A metal cord for reinforcing a rubber article comprising:

a core formed of one filament, wherein said filament has a twodimensional wave shape with crest portions and trough portions in a repeated manner; and

a sheath formed of 1 to 6 filaments arranged around said core;

wherein said sheath and said core are in a twisted state and form a
three-dimensional wave shape; and

the diameter of said two-dimensional wave shape of the filament of the core is larger than the diameter of the filament of the core itself.

itself; and

the filament of the core in the two-dimensional wave shape is a zigzag shape.

- 4. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 3, wherein a diameter d of said core filament is between 0.15 and 0.50 mm.
- 5. (**Previously Presented**) The metal cord for reinforcing a rubber article as claimed in claim 3, wherein a diameter d of the filament of said sheath is between 0.15 and 0.50 mm.

6. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 3, 4 or 5, wherein a diameter d of said core filament is substantially the same diameter d as that of the filament of said sheath.

7. (Canceled)

- 8. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein the filament of the core in the two-dimensional wave shape is a sine wave shape.
- 9. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein the filament of the core in the two-dimensional wave shape has a wave pitch Pw being between 3.0 and 9.0 mm and a wave height h being between 0.20 and 0.80 mm
- 10. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a torsion pitch Pn at a time of twisting the filament of the core in the two-dimensional wave shape is between 5.0 and 600.0 mm.
- 11. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a twist pitch Py at a time of

twisting the filament of the sheath wave shape is between 5.0 and 30.0 mm.

- 12. (Previously Presented) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein said torsion pitch Pn of the filament of the core is larger that the twist pitch Py of the filament of the sheath.
- 13. (Withdrawn) A method of producing a metal cord having a core formed of one filament, and a sheath formed of 1 to 6 filaments arranged around the core, comprising the steps of:

forming said filament of the core from a waved filament having a two-dimensional wave shape with crest portions and trough portions in a repeated pattern, in a state before being bundled, and twisting said filament with said sheath while applying torsion such that said filament is formed into a three-dimensional wave shape within the metal cord.

14. (Withdrawn) The method of producing a meal cord as claimed in claim 13, wherein a diameter d of said core filament is between 0.15 and 0.50 mm and substantially the same as that of the filament of said sheath.

15. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape is a zigzag shape.

- 16. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape is a sine wave shape.
- 17. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape has a wave pitch Pw being between 3.0 and 9.0 mm and a wave height h being between 0.20 and 0.80 mm.
- 18. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein a torsion pitch Pn at a time of twisting the filament of the core in the two-dimensional wave shape is between 5.0 and 600.0 mm.
- 19. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein a twist pitch Py at a time of twisting the filament of the sheath wave shape is between 5.0 and 30.0 mm.

20. (Withdrawn) The method of producing a metal cord as claimed in claim 13, wherein said torsion pitch Pn of the filament of the core is larger than the twist pitch Py of the filament of the sheath.